Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica – Tampa, FL	Job ID.:	680-87279-1
Method:	SW-846 8270C Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	02/06/2013
Reviewer:	Jane Lindsey	Date:	02/27/2013
Concurrence[1]:	Carol Lovett, Martha Meyers-Lee	Date:	03/27/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of rinsate blank 020513-RB-Bowls+Spoons (680-87170-29).	
12. Are equipment/rinsate blanks associated with every sample? If	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
no, note in DV report.				occurs once per week per the client. A rinsate blank (020513-RB-Bowls+Spoons) was collected during the week of 02/04/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-87170-2.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Initial Calibration: 01/30/2013, instrument BSMA5973 • ICV: 01/30/2013 @13:35 • CCV: 02/14/2013 @10:21 • CCV: 02/15/2013 @12:36 • Initial Calibration: 01/07/2013, instrument BSMC5973 • ICV: 01/07/2013 @17:31 • CCV: 02/14/2013 @14:56 • CCV: 02/15/2013 @11:56 • CCV: 02/18/2013 @14:07	
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: ≤15 mean %RSD with individual CCC %RSD ≤30 (≤50% for poor performers), OR r≥0.995, OR		✓		ICV of 01/30/13 @ 13:35, instrument BSMA5973: 2-Methylnaphthalene @23.7 %D (Lab: ≤35, Project: ≤20). Positive bias is indicated by the CCV percent	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
$r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): o If %RSD>15 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J-flag positive results and UJ-flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: $\leq$20%D ($\leq$50% for poor performers) and RF $\geq$0.050 ($\geq$0.010 for poor performers)): o If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects o If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds				difference; therefore, J flag detected 2-methyl naphthalene result in associated samples[2].	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects		✓		LCS only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			• Prep Batch 134445: 680-87218-45 (batch sample), MS/MSD • Prep Batch 134455: 680-87279-6 (FM0138B-CS), MS/MSD	
25. Were MS/MSD recoveries within laboratory/project specifications? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results	✓				

[2] 680-87279-1 through 12, 14, and 20

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
26. Were laboratory criteria met for precision during the MS/MSD analysis? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result		✓		FM0138B-CS (680-87279-6): Benzo(k)fluoranthene MS/MSD RPD @ 41% (≤40). Flag result with UJ.	UJ
27. Were surrogate recoveries within lab/project specifications? • If %R <10, then J-flag positive and R-flag non-detect associated sample results • If %R >UCL, then J-flag positive results • %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results	✓			.	
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.	✓				
29. Were lab comments included in report?	✓			Refer to **Attachment B** (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment C**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R	The sample results are unusable. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ	The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-87279-1	FM0018B-CS	Solid	02/06/13 08:55	02/08/13 09:16
680-87279-2	FM0018C-CS	Solid	02/06/13 08:59	02/08/13 09:16
680-87279-3	FM0034B-CS	Solid	02/06/13 10:24	02/08/13 09:16
680-87279-4	FM0123B-CS	Solid	02/06/13 08:37	02/08/13 09:16
680-87279-5	FM0138A-CS	Solid	02/06/13 10:40	02/08/13 09:16
680-87279-6	FM0138B-CS	Solid	02/06/13 10:43	02/08/13 09:16
680-87279-7	FM0139A-CS	Solid	02/06/13 11:24	02/08/13 09:16
680-87279-8	FM0139B-CS	Solid	02/06/13 11:30	02/08/13 09:16
680-87279-9	FM0139C-CS	Solid	02/06/13 11:35	02/08/13 09:16
680-87279-10	FM0153A-CS	Solid	02/06/13 10:02	02/08/13 09:16
680-87279-11	CV0748X-CS	Solid	02/06/13 08:54	02/08/13 09:16
680-87279-12	CV0748Z-CS	Solid	02/06/13 09:09	02/08/13 09:16
680-87279-14	CV0748FF-CS	Solid	02/06/13 09:49	02/08/13 09:16
680-87279-15	CV0748GG-CS	Solid	02/06/13 09:52	02/08/13 09:16
680-87279-16	CV0748HH-CS	Solid	02/06/13 10:10	02/08/13 09:16
680-87279-17	CV0748KK-CS	Solid	02/06/13 10:41	02/08/13 09:16
680-87279-18	CV0748LL-CS	Solid	02/06/13 10:48	02/08/13 09:16
680-87279-19	CV0748MM-CS	Solid	02/06/13 10:50	02/08/13 09:16
680-87279-20	CV0748PP-CS	Solid	02/06/13 11:10	02/08/13 09:16

ATTACHMENT B

CASE NARRATIVE

Job ID: 680-87279-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87279-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples FM0018B-CS (680-87279-1), FM0018C-CS (680-87279-2), FM0034B-CS (680-87279-3), FM0123B-CS (680-87279-4), FM0138A-CS (680-87279-5), FM0138B-CS (680-87279-6), FM0139A-CS (680-87279-7), FM0139B-CS (680-87279-8), FM0139C-CS (680-87279-9), FM0153A-CS (680-87279-10), CV0748X-CS (680-87279-11), CV0748Z-CS (680-87279-12), CV0748FF-CS (680-87279-14), CV0748GG-CS (680-87279-15), CV0748HH-CS (680-87279-16), CV0748KK-CS (680-87279-17), CV0748LL-CS (680-87279-18), CV0748MM-CS (680-87279-19) and CV0748PP-CS (680-87279-20) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/13/2013 and 02/14/2013 and analyzed on 02/14/2013, 02/15/2013 and 02/18/2013.

Samples FM0018C-CS (680-87279-2)[4X], FM0139A-CS (680-87279-7)[4X], FM0139A-CS (680-87279-7)[40X], CV0748X-CS (680-87279-11)[4X], CV0748Z-CS (680-87279-12)[4X], CV0748GG-CS (680-87279-15)[4X] and CV0748HH-CS (680-87279-16)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample 680-87218-45 in batch 660-134523. Benzo[k]fluoranthene exceeded the rpd limit.

No other difficulties were encountered during the Semivolatile Organic Compounds by GCMS - Low Level analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: FM0018B-CS

Date Collected: 02/06/13 08:55
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-1
Matrix: Solid
Percent Solids: 78.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	25	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Acenaphthylene	50	U	50	6.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Anthracene	10	U	10	5.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Benzo[a]anthracene	**19**		10	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Benzo[a]pyrene	**10**	**J**	13	6.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Benzo[b]fluoranthene	**14**	**J**	15	7.6	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Benzo[g,h,i]perylene	**7.8**	**J**	25	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Benzo[k]fluoranthene	10	U	10	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Chrysene	**13**		11	5.6	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Dibenz(a,h)anthracene	25	U	25	5.1	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Fluoranthene	**14**	**J**	25	5.0	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Fluorene	25	U	25	5.1	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Indeno[1,2,3-cd]pyrene	25	U	25	8.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
1-Methylnaphthalene	50	U	50	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
2-Methylnaphthalene	50	U J *	50	8.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Naphthalene	**12**	**J**	50	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Phenanthrene	**14**		10	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1
Pyrene	**12**	**J**	25	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*30 - 130*	*02/13/13 15:28*	*02/14/13 19:10*	*1*

Client Sample ID: FM0018C-CS

Date Collected: 02/06/13 08:59
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-2
Matrix: Solid
Percent Solids: 80.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	480	U	480	97	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Acenaphthylene	**91**	**J**	190	24	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Anthracene	**87**		41	20	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Benzo[a]anthracene	**160**		39	19	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Benzo[a]pyrene	**130**		50	25	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Benzo[b]fluoranthene	**260**		59	29	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Benzo[g,h,i]perylene	**97**		97	21	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Benzo[k]fluoranthene	**75**		39	17	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Chrysene	**270**		43	22	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Dibenz(a,h)anthracene	**33**	**J**	97	20	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Fluoranthene	**550**		97	19	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Fluorene	97	U	97	20	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Indeno[1,2,3-cd]pyrene	**120**		97	34	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
1-Methylnaphthalene	190	U	190	21	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
2-Methylnaphthalene	190	U J *	190	34	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Naphthalene	**50**	**J**	190	21	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Phenanthrene	**200**		39	19	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4
Pyrene	**380**		97	18	ug/Kg	☼	02/13/13 15:28	02/14/13 19:25	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*30 - 130*	*02/13/13 15:28*	*02/14/13 19:25*	*4*

* Flagging error, M Meyers-Lee, 3/27/2013

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: FM0034B-CS
Date Collected: 02/06/13 10:24
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-3
Matrix: Solid
Percent Solids: 95.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	21	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Acenaphthylene	41	U	41	5.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Anthracene	**12**		8.7	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Benzo[a]anthracene	**42**		8.3	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Benzo[a]pyrene	**29**		11	5.4	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Benzo[b]fluoranthene	**49**		13	6.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Benzo[g,h,i]perylene	**27**		21	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Benzo[k]fluoranthene	**10**		8.3	3.7	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Chrysene	**41**		9.3	4.7	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Dibenz(a,h)anthracene	**12**	**J**	21	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Fluoranthene	**62**		21	4.1	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Fluorene	**5.4**	**J**	21	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Indeno[1,2,3-cd]pyrene	**29**		21	7.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
1-Methylnaphthalene	**8.5**	**J**	41	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
2-Methylnaphthalene	**16**	**J**	41	7.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Naphthalene	**23**	**J**	41	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Phenanthrene	**50**		8.3	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1
Pyrene	**49**		21	3.8	ug/Kg	☼	02/13/13 15:28	02/14/13 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*30 - 130*	*02/13/13 15:28*	*02/14/13 19:41*	*1*

Client Sample ID: FM0123B-CS
Date Collected: 02/06/13 08:37
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-4
Matrix: Solid
Percent Solids: 74.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Acenaphthylene	54	U	54	6.7	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Anthracene	**7.9**	**J**	11	5.7	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Benzo[a]anthracene	**33**		11	5.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Benzo[a]pyrene	**19**		14	7.0	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Benzo[b]fluoranthene	**29**		16	8.2	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Benzo[g,h,i]perylene	**17**	**J**	27	5.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Benzo[k]fluoranthene	**12**		11	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Chrysene	**21**		12	6.1	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Dibenz(a,h)anthracene	**6.3**	**J**	27	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Fluoranthene	**36**		27	5.4	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Fluorene	27	U	27	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Indeno[1,2,3-cd]pyrene	**14**	**J**	27	9.6	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
1-Methylnaphthalene	**12**	**J**	54	5.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
2-Methylnaphthalene	**13**	**J**	54	9.6	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Naphthalene	**16**	**J**	54	5.9	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Phenanthrene	**23**		11	5.3	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1
Pyrene	**27**		27	5.0	ug/Kg	☼	02/13/13 15:28	02/14/13 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*30 - 130*	*02/13/13 15:28*	*02/14/13 19:56*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: FM0138A-CS
Date Collected: 02/06/13 10:40
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-5
Matrix: Solid
Percent Solids: 85.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	23	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Acenaphthylene	46	U	46	5.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Anthracene	**14**		9.8	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Benzo[a]anthracene	**56**		9.3	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Benzo[a]pyrene	**32**		12	6.0	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Benzo[b]fluoranthene	**59**		14	7.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Benzo[g,h,i]perylene	**41**		23	5.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Benzo[k]fluoranthene	**18**		9.3	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Chrysene	**54**		10	5.2	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Dibenz(a,h)anthracene	**16**	**J**	23	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Fluoranthene	**68**		23	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Fluorene	**6.0**	**J**	23	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Indeno[1,2,3-cd]pyrene	**29**		23	8.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
1-Methylnaphthalene	**24**	**J**	46	5.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
2-Methylnaphthalene	**35**	**J** J	46	8.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Naphthalene	**33**	**J**	46	5.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Phenanthrene	**63**		9.3	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1
Pyrene	**45**		23	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*30 - 130*	*02/13/13 15:28*	*02/14/13 20:11*	*1*

Client Sample ID: FM0138B-CS
Date Collected: 02/06/13 10:43
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-6
Matrix: Solid
Percent Solids: 96.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	20	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Acenaphthylene	41	U	41	5.1	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Anthracene	8.5	U	8.5	4.3	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Benzo[a]anthracene	**12**		8.1	4.0	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Benzo[a]pyrene	**6.2**	**J**	11	5.3	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Benzo[b]fluoranthene	**8.0**	**J**	12	6.2	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Benzo[g,h,i]perylene	**4.5**	**J**	20	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Benzo[k]fluoranthene	8.1	U J	8.1	3.7	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Chrysene	**9.0**	**J**	9.1	4.6	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Dibenz(a,h)anthracene	20	U	20	4.2	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Fluoranthene	**12**	**J**	20	4.1	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Fluorene	20	U	20	4.2	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.2	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
1-Methylnaphthalene	41	U	41	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
2-Methylnaphthalene	41	U *	41	7.2	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Naphthalene	**5.7**	**J**	41	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Phenanthrene	**16**		8.1	4.0	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1
Pyrene	**10**	**J**	20	3.8	ug/Kg	☼	02/14/13 08:35	02/15/13 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*30 - 130*	*02/14/13 08:35*	*02/15/13 16:22*	*1*

* Flagging error, M Meyers-Lee, 3/27/2013

Client Sample ID: FM0139A-CS
Date Collected: 02/06/13 11:24
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-7
Matrix: Solid
Percent Solids: 97.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1600		410	81	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
Acenaphthylene	370		160	20	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
Anthracene	9700		34	17	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
Dibenz(a,h)anthracene	11000		81	17	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
Fluorene	1500		81	17	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
1-Methylnaphthalene	320		160	18	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
2-Methylnaphthalene	320	J	160	29	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4
Naphthalene	440		160	18	ug/Kg	☼	02/13/13 15:28	02/14/13 20:26	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*30 - 130*	*02/13/13 15:28*	*02/14/13 20:26*	*4*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	47000		330	160	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Benzo[a]pyrene	39000		420	210	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Benzo[b]fluoranthene	55000		500	250	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Benzo[g,h,i]perylene	19000		810	180	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Benzo[k]fluoranthene	26000		330	150	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Chrysene	40000		370	180	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Fluoranthene	80000		810	160	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Indeno[1,2,3-cd]pyrene	17000		810	290	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Phenanthrene	28000		330	160	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40
Pyrene	71000		810	150	ug/Kg	☼	02/13/13 15:28	02/15/13 15:09	40

Client Sample ID: FM0139B-CS
Date Collected: 02/06/13 11:30
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-8
Matrix: Solid
Percent Solids: 88.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110	U	110	22	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Acenaphthylene	8.3	J	44	5.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Anthracene	9.4		9.3	4.7	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Benzo[a]anthracene	35		8.9	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Benzo[a]pyrene	20		12	5.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Benzo[b]fluoranthene	29		14	6.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Benzo[g,h,i]perylene	18	J	22	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Benzo[k]fluoranthene	15		8.9	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Chrysene	34		10	5.0	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Dibenz(a,h)anthracene	12	J	22	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Fluoranthene	44		22	4.4	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Fluorene	5.8	J	22	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Indeno[1,2,3-cd]pyrene	15	J	22	7.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
1-Methylnaphthalene	15	J	44	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
2-Methylnaphthalene	19	J	44	7.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Naphthalene	16	J	44	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Phenanthrene	34		8.9	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1
Pyrene	33		22	4.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:41	1

Client Sample ID: FM0139B-CS
Date Collected: 02/06/13 11:30
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-8
Matrix: Solid
Percent Solids: 88.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	75		30 - 130	02/13/13 15:28	02/14/13 20:41	1

Client Sample ID: FM0139C-CS
Date Collected: 02/06/13 11:35
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-9
Matrix: Solid
Percent Solids: 93.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110	U	110	21	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Acenaphthylene	**9.7**	**J**	42	5.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Anthracene	**14**		8.9	4.4	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Benzo[a]anthracene	**50**		8.4	4.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Benzo[a]pyrene	**35**		11	5.5	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Benzo[b]fluoranthene	**47**		13	6.4	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Benzo[g,h,i]perylene	**33**		21	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Benzo[k]fluoranthene	**32**		8.4	3.8	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Chrysene	**47**		9.5	4.7	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Dibenz(a,h)anthracene	**11**	**J**	21	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Fluoranthene	**73**		21	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Fluorene	21	U	21	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Indeno[1,2,3-cd]pyrene	**30**		21	7.5	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
1-Methylnaphthalene	**14**	**J**	42	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
2-Methylnaphthalene	**15**	**J** J	42	7.5	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Naphthalene	**23**	**J**	42	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Phenanthrene	**42**		8.4	4.1	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1
Pyrene	**57**		21	3.9	ug/Kg	☼	02/13/13 15:28	02/14/13 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	69		30 - 130	02/13/13 15:28	02/14/13 20:56	1

Client Sample ID: FM0153A-CS
Date Collected: 02/06/13 10:02
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-10
Matrix: Solid
Percent Solids: 91.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110	U	110	22	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Acenaphthylene	43	U	43	5.4	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Anthracene	9.1	U	9.1	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Benzo[a]anthracene	**19**		8.7	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Benzo[a]pyrene	**6.4**	**J**	11	5.6	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Benzo[b]fluoranthene	**12**	**J**	13	6.6	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Benzo[g,h,i]perylene	**12**	**J**	22	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Benzo[k]fluoranthene	8.7	U	8.7	3.9	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Chrysene	**12**		9.8	4.9	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Dibenz(a,h)anthracene	22	U	22	4.4	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Fluoranthene	**12**	**J**	22	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Fluorene	22	U	22	4.4	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Indeno[1,2,3-cd]pyrene	**10**	**J**	22	7.7	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
1-Methylnaphthalene	**6.9**	**J**	43	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
2-Methylnaphthalene	**14**	**J** J	43	7.7	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: FM0153A-CS — **Lab Sample ID: 680-87279-10**
Date Collected: 02/06/13 10:02 — **Matrix: Solid**
Date Received: 02/08/13 09:16 — **Percent Solids: 91.8**

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**13**	**J**	43	4.8	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Phenanthrene	**18**		8.7	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1
Pyrene	**8.2**	**J**	22	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*30 - 130*	*02/13/13 15:28*	*02/14/13 21:11*	*1*

Client Sample ID: CV0748X-CS — **Lab Sample ID: 680-87279-11**
Date Collected: 02/06/13 08:54 — **Matrix: Solid**
Date Received: 02/08/13 09:16 — **Percent Solids: 89.2**

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	440	U	440	89	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Acenaphthylene	180	U	180	22	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Anthracene	**36**	**J**	37	19	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Benzo[a]anthracene	**140**		35	17	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Benzo[a]pyrene	**80**		46	23	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Benzo[b]fluoranthene	**110**		54	27	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Benzo[g,h,i]perylene	**84**	**J**	89	19	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Benzo[k]fluoranthene	**65**		35	16	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Chrysene	**110**		40	20	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Dibenz(a,h)anthracene	**35**	**J**	89	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Fluoranthene	**200**		89	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Fluorene	89	U	89	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Indeno[1,2,3-cd]pyrene	**72**	**J**	89	31	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
1-Methylnaphthalene	**89**	**J**	180	19	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
2-Methylnaphthalene	**99**	**J**	180	31	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Naphthalene	**76**	**J**	180	19	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Phenanthrene	**140**		35	17	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4
Pyrene	**150**		89	16	ug/Kg	☼	02/13/13 15:28	02/14/13 21:26	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*30 - 130*	*02/13/13 15:28*	*02/14/13 21:26*	*4*

Client Sample ID: CV0748Z-CS — **Lab Sample ID: 680-87279-12**
Date Collected: 02/06/13 09:09 — **Matrix: Solid**
Date Received: 02/08/13 09:16 — **Percent Solids: 86.4**

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	450	U	450	90	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Acenaphthylene	180	U	180	23	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Anthracene	**24**	**J**	38	19	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Benzo[a]anthracene	**140**		36	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Benzo[a]pyrene	**70**		47	23	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Benzo[b]fluoranthene	**110**		55	27	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Benzo[g,h,i]perylene	**57**	**J**	90	20	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Benzo[k]fluoranthene	**51**		36	16	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Chrysene	**87**		41	20	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: CV0748Z-CS
Date Collected: 02/06/13 09:09
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-12
Matrix: Solid
Percent Solids: 86.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	**29**	**J**	90	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Fluoranthene	**140**		90	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Fluorene	90	U	90	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Indeno[1,2,3-cd]pyrene	**54**	**J**	90	32	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
1-Methylnaphthalene	**34**	**J**	180	20	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
2-Methylnaphthalene	**54**	**J**	180	32	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Naphthalene	**39**	**J**	180	20	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Phenanthrene	**88**		36	18	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4
Pyrene	**110**		90	17	ug/Kg	☼	02/13/13 15:28	02/14/13 21:42	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*30 - 130*	*02/13/13 15:28*	*02/14/13 21:42*	*4*

Client Sample ID: CV0748FF-CS
Date Collected: 02/06/13 09:49
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-14
Matrix: Solid
Percent Solids: 95.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	21	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Acenaphthylene	**7.8**	**J**	41	5.2	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Anthracene	**14**		8.7	4.3	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Benzo[a]anthracene	**40**		8.3	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Benzo[a]pyrene	**34**		11	5.4	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Benzo[b]fluoranthene	**54**		13	6.3	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Benzo[g,h,i]perylene	**31**		21	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Benzo[k]fluoranthene	**17**		8.3	3.7	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Chrysene	**47**		9.3	4.6	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Dibenz(a,h)anthracene	**12**	**J**	21	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Fluoranthene	**66**		21	4.1	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Fluorene	21	U	21	4.2	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Indeno[1,2,3-cd]pyrene	**32**		21	7.3	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
1-Methylnaphthalene	**20**	**J**	41	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
2-Methylnaphthalene	**27**	**J**	41	7.3	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Naphthalene	**25**	**J**	41	4.5	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Phenanthrene	**47**		8.3	4.0	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1
Pyrene	**49**		21	3.8	ug/Kg	☼	02/13/13 15:28	02/14/13 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*30 - 130*	*02/13/13 15:28*	*02/14/13 21:57*	*1*

Client Sample ID: CV0748GG-CS
Date Collected: 02/06/13 09:52
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-15
Matrix: Solid
Percent Solids: 99.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	400	U	400	80	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Acenaphthylene	160	U	160	20	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Anthracene	33	U	33	17	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample ID: CV0748GG-CS
Date Collected: 02/06/13 09:52
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-15
Matrix: Solid
Percent Solids: 99.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**120**		32	16	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Benzo[a]pyrene	**82**		41	21	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Benzo[b]fluoranthene	**140**		49	24	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Benzo[g,h,i]perylene	**79**	**J**	80	18	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Benzo[k]fluoranthene	**50**		32	14	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Chrysene	**95**		36	18	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Dibenz(a,h)anthracene	**19**	**J**	80	16	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Fluoranthene	**170**		80	16	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Fluorene	80	U	80	16	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Indeno[1,2,3-cd]pyrene	**63**	**J**	80	28	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
1-Methylnaphthalene	**35**	**J**	160	18	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
2-Methylnaphthalene	**37**	**J**	160	28	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Naphthalene	**37**	**J**	160	18	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Phenanthrene	**89**		32	16	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4
Pyrene	**150**		80	15	ug/Kg	☼	02/13/13 15:28	02/14/13 18:39	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*30 - 130*	*02/13/13 15:28*	*02/14/13 18:39*	*4*

Client Sample ID: CV0748HH-CS
Date Collected: 02/06/13 10:10
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-16
Matrix: Solid
Percent Solids: 92.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	430	U	430	86	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Acenaphthylene	170	U	170	21	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Anthracene	**22**	**J**	36	18	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Benzo[a]anthracene	**190**		34	17	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Benzo[a]pyrene	**160**		45	22	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Benzo[b]fluoranthene	**240**		52	26	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Benzo[g,h,i]perylene	**150**		86	19	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Benzo[k]fluoranthene	**110**		34	15	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Chrysene	**180**		39	19	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Dibenz(a,h)anthracene	**38**	**J**	86	18	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Fluoranthene	**270**		86	17	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Fluorene	86	U	86	18	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Indeno[1,2,3-cd]pyrene	**110**		86	30	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
1-Methylnaphthalene	**53**	**J**	170	19	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
2-Methylnaphthalene	**70**	**J**	170	30	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Naphthalene	**78**	**J**	170	19	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Phenanthrene	**140**		34	17	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4
Pyrene	**240**		86	16	ug/Kg	☼	02/13/13 15:28	02/15/13 12:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*30 - 130*	*02/13/13 15:28*	*02/15/13 12:43*	*4*

Client Sample ID: CV0748KK-CS
Date Collected: 02/06/13 10:41
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-17
Matrix: Solid
Percent Solids: 97.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	21	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Acenaphthylene	**8.0**	**J**	41	5.1	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Anthracene	**17**		8.6	4.3	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Benzo[a]anthracene	**100**		8.2	4.0	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Benzo[a]pyrene	**91**		11	5.3	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Benzo[b]fluoranthene	**140**		13	6.3	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Benzo[g,h,i]perylene	**75**		21	4.5	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Benzo[k]fluoranthene	**55**		8.2	3.7	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Chrysene	**100**		9.2	4.6	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Dibenz(a,h)anthracene	**19**	**J**	21	4.2	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Fluoranthene	**180**		21	4.1	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Fluorene	**6.5**	**J**	21	4.2	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Indeno[1,2,3-cd]pyrene	**63**		21	7.3	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
1-Methylnaphthalene	**44**		41	4.5	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
2-Methylnaphthalene	**39**	**J**	41	7.3	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Naphthalene	**34**	**J**	41	4.5	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Phenanthrene	**97**		8.2	4.0	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1
Pyrene	**150**		21	3.8	ug/Kg	☼	02/14/13 08:35	02/18/13 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*30 - 130*	*02/14/13 08:35*	*02/18/13 15:41*	*1*

Client Sample ID: CV0748LL-CS
Date Collected: 02/06/13 10:48
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-18
Matrix: Solid
Percent Solids: 92.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	21	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Acenaphthylene	**18**	**J**	42	5.2	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Anthracene	**18**		8.8	4.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Benzo[a]anthracene	**120**		8.4	4.1	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Benzo[a]pyrene	**120**		11	5.5	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Benzo[b]fluoranthene	**190**		13	6.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Benzo[g,h,i]perylene	**100**		21	4.6	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Benzo[k]fluoranthene	**91**		8.4	3.8	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Chrysene	**130**		9.4	4.7	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Dibenz(a,h)anthracene	**28**		21	4.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Fluoranthene	**210**		21	4.2	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Fluorene	**9.4**	**J**	21	4.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Indeno[1,2,3-cd]pyrene	**79**		21	7.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
1-Methylnaphthalene	**37**	**J**	42	4.6	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
2-Methylnaphthalene	**43**		42	7.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Naphthalene	**48**		42	4.6	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Phenanthrene	**96**		8.4	4.1	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1
Pyrene	**200**		21	3.9	ug/Kg	☼	02/14/13 08:35	02/18/13 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*30 - 130*	*02/14/13 08:35*	*02/18/13 16:00*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87279-1
SDG: 68087279-1

Client Sample ID: CV0748MM-CS
Date Collected: 02/06/13 10:50
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-19
Matrix: Solid
Percent Solids: 82.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Acenaphthylene	48	U	48	6.0	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Anthracene	10	U	10	5.0	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Benzo[a]anthracene	**29**		9.6	4.7	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Benzo[a]pyrene	**23**		12	6.2	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Benzo[b]fluoranthene	**31**		15	7.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Benzo[g,h,i]perylene	**15**	J	24	5.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Benzo[k]fluoranthene	**20**		9.6	4.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Chrysene	**27**		11	5.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Dibenz(a,h)anthracene	**5.4**	J	24	4.9	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Fluoranthene	**40**		24	4.8	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Fluorene	24	U	24	4.9	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Indeno[1,2,3-cd]pyrene	**14**	J	24	8.5	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
1-Methylnaphthalene	**7.2**	J	48	5.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
2-Methylnaphthalene	**11**	J	48	8.5	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Naphthalene	**11**	J	48	5.3	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Phenanthrene	**22**		9.6	4.7	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1
Pyrene	**41**		24	4.4	ug/Kg	☼	02/14/13 08:35	02/18/13 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*30 - 130*	*02/14/13 08:35*	*02/18/13 16:18*	*1*

Client Sample ID: CV0748PP-CS
Date Collected: 02/06/13 11:10
Date Received: 02/08/13 09:16

Lab Sample ID: 680-87279-20
Matrix: Solid
Percent Solids: 96.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	21	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Acenaphthylene	**20**	J	41	5.1	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Anthracene	**57**		8.6	4.3	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Benzo[a]anthracene	**340**		8.2	4.0	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Benzo[a]pyrene	**190**		11	5.3	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Benzo[b]fluoranthene	**290**		13	6.3	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Benzo[g,h,i]perylene	**170**		21	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Benzo[k]fluoranthene	**130**		8.2	3.7	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Chrysene	**300**		9.2	4.6	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Dibenz(a,h)anthracene	**64**		21	4.2	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Fluoranthene	**600**		21	4.1	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Fluorene	**11**	J	21	4.2	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Indeno[1,2,3-cd]pyrene	**170**		21	7.3	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
1-Methylnaphthalene	**26**	J	41	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
2-Methylnaphthalene	**35**	J	41	7.3	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Naphthalene	**32**	J	41	4.5	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Phenanthrene	**300**		8.2	4.0	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1
Pyrene	**480**		21	3.8	ug/Kg	☼	02/14/13 08:35	02/15/13 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*30 - 130*	*02/14/13 08:35*	*02/15/13 17:52*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)